

Request Number: 2017-05-29-22

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Page 1 of 2

Customer: WQ-ASSESS

Requester: Curtis Musson

Field Report Prepared By: Ben Rakys

Project ID: SMP

Sampling Agency: FDEP

Collected By: Ben Rakys, Diana Turner

STORET ↓ Sand Pond Middle Field ID → Sand Pond Middle May 31, 2017 Q1WA0044 05312017	☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>5/31/17</u> Time <u>8:09 AM</u> Matrix (Salt, <u>Fresh</u>) Temp (C) <u>28.52</u> Salinity (ppt) <u>0.01</u> Latitude (Decimal Degrees) <u>30.334</u> Diss. Oxygen (mg/L) <u>8.68</u> pH <u>5.73</u> Comments Longitude (Decimal Degrees) <u>-84.387</u>	Bottle Group(s) <u>A</u>
STORET ↓ Sally Ward Spring at Wakulla Park Dr. Field ID → Sally Ward Spring at Wakulla Park Dr. MAY 31, 2017 Q1WA0021 05312017	☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>5/31/17</u> Time <u>8:56 AM</u> Matrix (Salt, <u>Fresh</u>) Temp (C) <u>20.78</u> Salinity (ppt) <u>0.16</u> Latitude (Decimal Degrees) <u>30.2414</u> Diss. Oxygen (mg/L) <u>5.31</u> pH <u>7.46</u> Comments Longitude (Decimal Degrees) <u>-84.3109</u>	Bottle Group(s) <u>A</u>
STORET ↓ Eight Mile Pond Middle Field ID → Eight Mile Pond Middle May 31, 2017 Q1WA0024 05312017	☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>5/31/17</u> Time <u>9:34 AM</u> Matrix (Salt, <u>Fresh</u>) Temp (C) <u>28.49</u> Salinity (ppt) <u>0.05</u> Latitude (Decimal Degrees) <u>30.32635</u> Diss. Oxygen (mg/L) <u>6.03</u> pH <u>7.14</u> Comments Longitude (Decimal Degrees) <u>-84.30273</u>	Bottle Group(s) <u>A, C, D</u>

Relinquished By:

Diana Turner

Date/Time

5/31/17 1:28pm

Number of Coolers

2

Received By:

SR

Date/Time

5/31/17 1:30

Customer: WQ-ASSESS
Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By: Ben Rabs

Collected By: Ben Rabs, Diana Turner

Sampling Agency: FDEP

Loc: Chicken Branch at Old Plank Rd

STORET ↓

Barcode: G1WA0031

Field ID →

Barcode: G1WA0031_05312017

May 31, 2017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/17 Time 10:23 AM Eastern Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 7.09		A, B, C, D E
Temp (C) 22.06	pH 7.16	Sample Depts (m) 0.3	
Salinity (ppt) 0.13	Comments		
Latitude (Decimal Degrees) 30.3261		Longitude (Decimal Degrees) -84.1481	

Loc: Lake Lafayette Drain 250 meters downstream of Weems Rd

STORET ↓

Barcode: G1WA0007

Field ID →

Barcode: G1WA0007_05312017

May 31, 2017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/17 Time 11:27 AM Eastern Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 8.16		A, B, C, D E
Temp (C) 26.7	pH 6.94	Sample Depts (m) 0.15	
Salinity (ppt) 0.05	Comments		
Latitude (Decimal Degrees) 30.4544		Longitude (Decimal Degrees) -84.2204	

Loc: Godby Drainage Ditch at Progress Dr.

STORET ↓

Barcode: G1WA0061

Field ID →

Barcode: G1WA0061_05312017

May 31, 2017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/17 Time — Eastern Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L)		A, B, C, D E
Temp (C)	pH	Sample Depts (m)	
Salinity (ppt)	Comments		
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)	

NOT COLLECTED

Relinquished By: Diana Turner

Date/Time: 5/31/17 1:28 pm

Number of Coolers: 2

Received By: SR

Date/Time: 5/31/17 1:30

Sally, Sand, Eight, Chicken, Godby, Lafayette

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Curtis Musson

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s) (See pg 2)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET #		Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET #		Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET #		Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET #		Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
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Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	5
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	5
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ECOLI-18QT						
Group: D	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	PCR-FILTER						
	PCR-HF183						

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Silver		

Bottle Group C (Water) With 4 Samples:

Bottle Type:	Number of Bottles: 4	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group D (Water) With 4 Samples:

Bottle Type: BG-1L	Number of Bottles: 4	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Template: DEFAULT	(USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group E (Water) With 4 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 8	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

Date of Request: 08-MAY-2017
 Created By: MUSSON_C On: 08-MAY-2017
 Modified By: MATTHEWS_D On: 09-MAY-2017
 Customer: WQAP
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Sally, Sand, Eight, Chicken, Godby, Lafayette

Send Coolers To:

Phone: 850-245-8453
 2600 Blair Stone Rd
 MS #3525
 Tallahassee, FL 32399-2400
 Attn: Curtis Musson

Program Module Number:

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 09-MAY-2017
 Biology Request Reviewed By: MATTHEWS_D On: 09-MAY-2017
 Sampling Kit Required: YES Ship on: 23-MAY-2017
 Sampling Kit Shipped: YES On: 22-MAY-2017
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 29-MAY-2017
 Received By:

Send Final Report To:

2600 Blair Stone Rd
 MS #3525
 Tallahassee, FL 32399-2400
 Attn: Curtis Musson

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: Group A: Nutrients, CHLA, Physical Aggregates
 Group B: Metals
 Group C: Microbiology (Bacteria)
 Group D: Organics (Wastewater Tracers)
 Group E: PCR (Wastewater Markers)

Packing Notes:
 No FedEx labels needed, samples will be dropped off.

Bottle Group A (Water) With 6 Samples:

Bottle Type: P-1L	Number of Bottles: 6	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO ₄ -IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 6	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 6	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 6	Preserved With: ICE-FLTR
W-PO ₄ -F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Log-in Checklist

RQ- 2017-05-29-22

Shipping Method: HB

Date/Time of Receipt: 5/31/17 13:30

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
16	1.6	16		✓			
17	3.4	17		✓			

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

****Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

**Chain of Custody/ Field Sheet(s) Included? Yes 6 No

CONTAINER CHECK

**Evidence Tape on Bottles? Yes 6 No If yes, is it intact? Yes No
 **Caps on tight? Yes 6 No **Containers intact? Yes 6 No
 **Sufficient Sample Volume: Yes 6 No

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-AHERB-AA (-AHB-AA-R)		<u>✓</u>	W-PCL-SQ (-R)		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH			W-PSNP-TQ		
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R			W-CT-CL-R		

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: WR
 **W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes No NA 6 Init: 2

Coolers Unpacked/Checked by: WR Date: 05/31/17 NCRs (Y/N)? N

Event ID: WQAP-2017-05-31-02 NCR #

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No ☒

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ No _____

If no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

Additional Comments: